

## CLAIMS

1. A maintenance apparatus for a medical handpiece, comprising:

a first fluid supply which feeds a maintenance fluid to a bearing of the handpiece, the bearing being capable of rotatably supporting a rotary tool; and

a second fluid supply which feeds a maintenance fluid to a chucking structure of the handpiece, the chucking structure being capable of detachably holding the rotary tool.

2. A maintenance apparatus for a medical handpiece, comprising:

a connector;

the connector including

a connector to be detachably connected to a maintenance fluid supply,

a first fluid supply which feeds a maintenance fluid fed from a maintenance fluid supply to the connector, to a bearing of the handpiece, the bearing being capable of rotatably supporting a rotary tool; and

a second fluid supply which feeds the maintenance fluid fed from the maintenance fluid supply to the connector, to the chucking structure of the handpiece, the

chucking structure being capable of detachably holding the rotary tool.

3. A maintenance apparatus for use with a medical handpiece, wherein said handpiece includes a gripping portion and a rotary-tool holding portion formed on one end of said gripping portion, said gripping portion having a passage extending from the other end to said one end side, and said rotary-tool holding portion includes a chucking structure capable of detachably holding a rotary tool, a rotatable member capable of holding the chucking structure and rotating on the center axis of the chucking structure, and a bearing capable of rotatably supporting the rotatable member, for rotating the rotatable member and the rotary tool with an aid of a power supplied, comprising:

a first fluid supply to be connected to the other end side of said passage of said handpiece; and

a second fluid supply to be held by said chucking structure of said handpiece, in place of the rotary tool.

4. A maintenance apparatus for a medical handpiece, comprising:

a fluid supply which feeds a maintenance fluid to a chucking structure of a handpiece, said chucking structure being capable of detachably holding a rotary tool; and

a control unit which controls the feeding of the maintenance fluid to the maintenance apparatus.

5. The maintenance apparatus according to claim 3, wherein said second fluid supply is unrotatably supported.

6. The maintenance apparatus according to any one of claims 3 to 5, wherein said second fluid supply has, at its outer wall, a passage which allows the fluid to flow along the axial direction.

7. The maintenance apparatus according to any one of claims 2 to 6, wherein said second fluid supply has a hole for injecting the fluid in the form of mist.